# TopSpa XS

# User's Guide

TopSpa XS requires a 230V, 1x16A connection, via a main breaker switch. A residual current device must be engaged. It is also recommended that a timer (clock) with an on/off switch be installed to ensure that the filtration systems runs about 4-6 hours per day. E.g. 2 x 2 hours, or 2 x 3 hours, depending on what is most appropriate for the user. Meanwhile, the electrical heater also turns on if the temperature drops below the set value.

## WARNING!

A. The electrical installation should only be done by qualified persons.
B. Read instructions carefully before installation begins.
C. We are not responsible for product malfunction or damage if the instructions are not followed during installation.
D. Make sure that the product is not damaged in transit during unpacking.
E. Do not connect power before the installation is complete.
F. Read the technical instructions before installing the bath
G. Read the users instructions before using the bath
H. Do not leave children in the bath without supervision
I. Do not sit with your back or head against the skimmer
J. If automatic dispensers (floating, etc.) are used, careful adjustment should be made to avoid incorrect dosage. Follow the recommendations in our instructions.
K. The circulation pump also generates heat and if it is running a long time it can raise the temperature by several degrees in one day when the tub is well insulated.
L. Check the quality of the water, as well as temperature and function, regularly, don't leave the spa unmonitored for long time periods.
M. **NOTE!** If the hot tub is built into a terrace or similar, the construction shall be built in such a way that all sides are freely accessible for servicing. Outer paneling and eventual insulation must be easily removable.
N. If the water's drained and the bath isn't in use during cold weather, then all screw connections are to be left open so that any water can drain out.
O. When filling water and the temperature is below freezing, the pumps and pipes are also cold. Take this into account and fill with warm water first, or warm up the space with an appropriate heater before filling with water.
P. A frost guard can be placed in the technical area to protect against damage from freezing in cold weather if the equipment fails.

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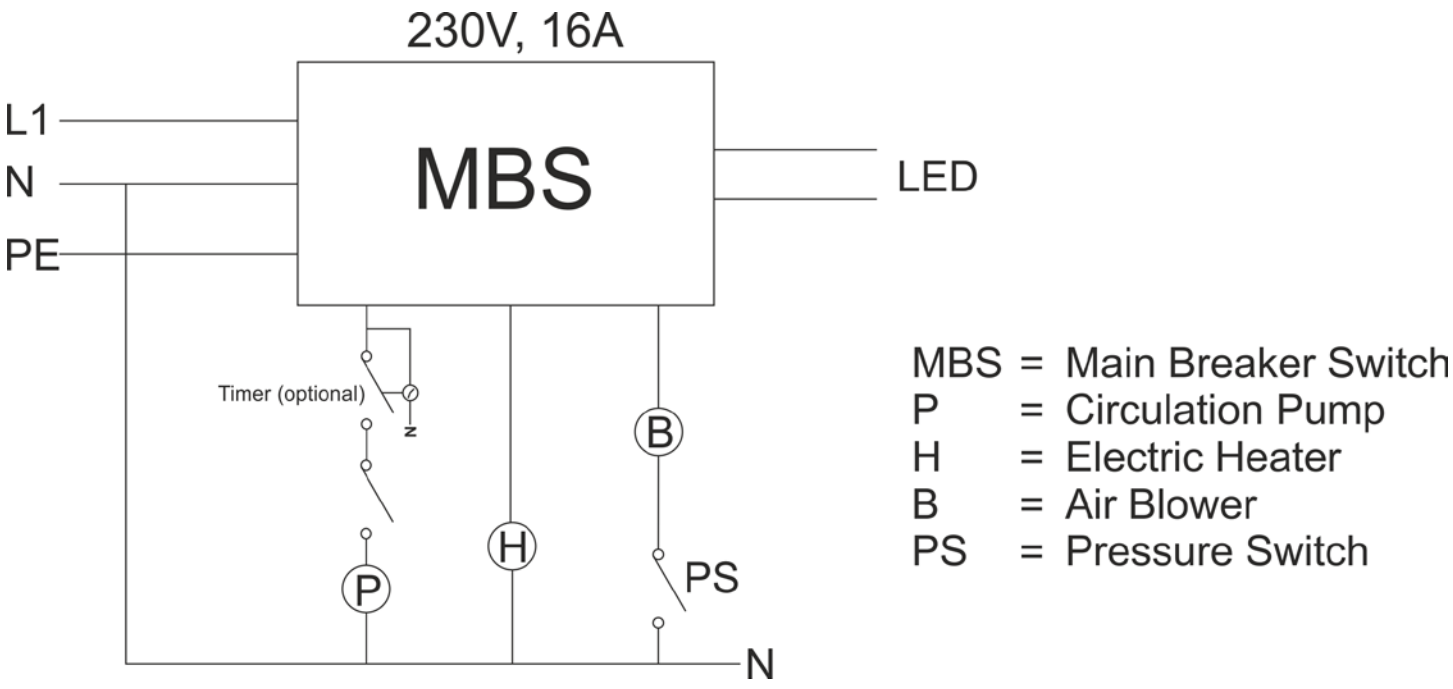


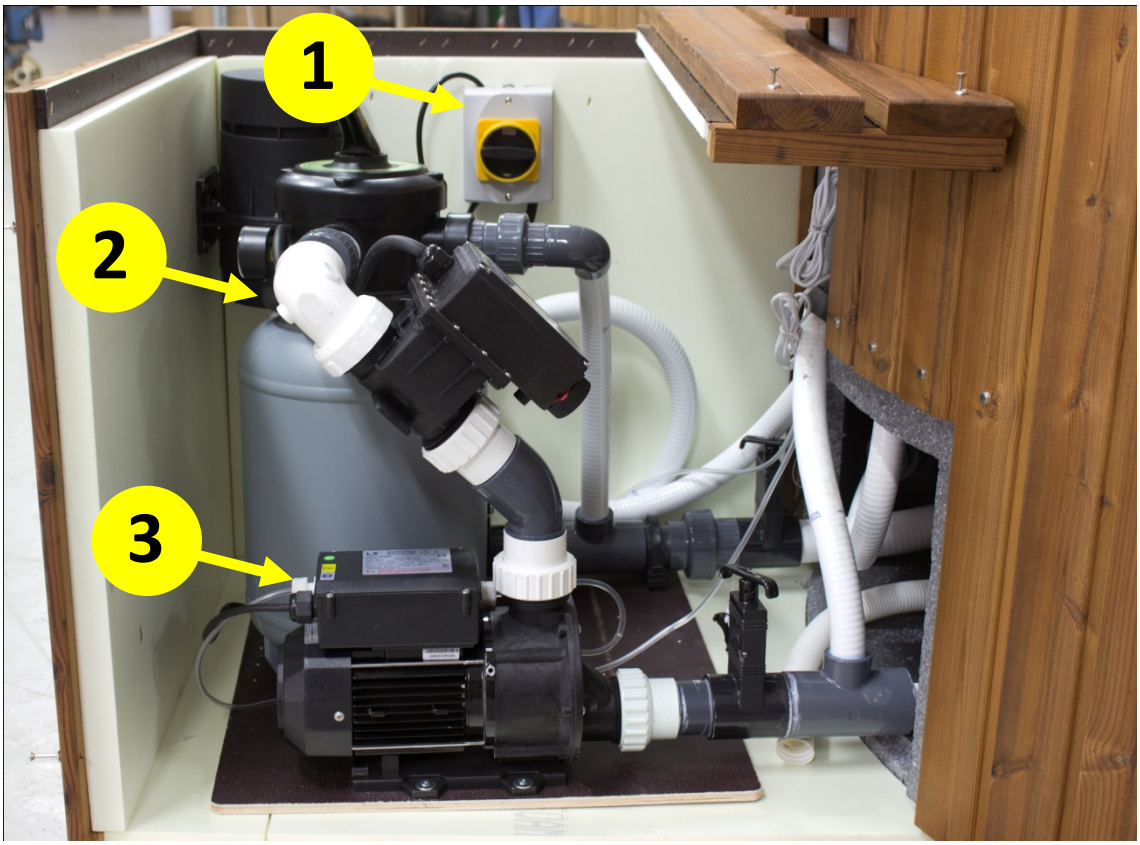


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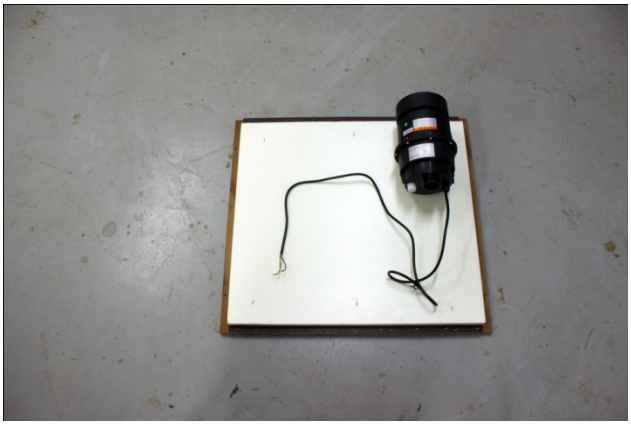
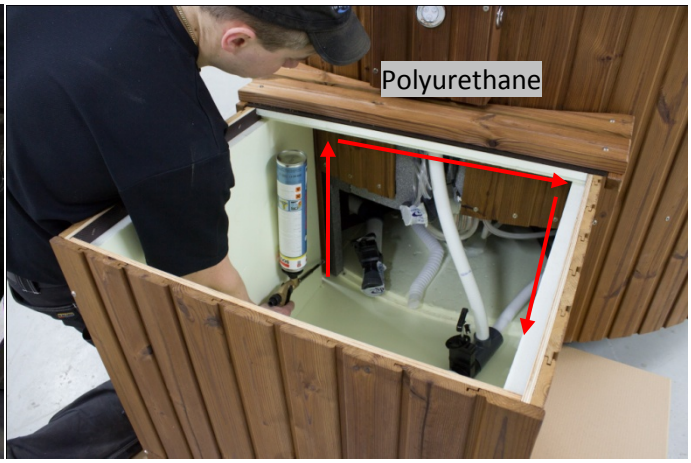
1 = Main breaker switch 2 = Pressure switch air b lower 3 = Pressure switch circulation pump





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|---|---|
| ***Kesäkäyttö***<br>Poista ”tekniikkakannen” alla oleva eristys” kun ulkolämpötila on yli 5 astetta.<br><br>***Sommaranvändning***<br>Ta bort isoleringen under locket till ”teknikl̊adan” då utetemperaturen är över 5 grader.<br><br>***Summer use***<br>Remove the insulation under the lid to the ”technical box” when outside temperatures exceed 5 degrees celcius. | |
| ***Talvikäyttö***<br>Kylmällä säällä, ulkoläpötila alle 5 astetta, pitää eristys olla asennettuna.<br><br>***Vinteranvändning***<br>Vid kall väderlek, utetemperatur lägre än 5 grader, skall isoleringen vara installerad.<br><br>***Winter use***<br>During cold weather, below 5 degrees celcius, the insulation should be installed. | |

# Filter

Ver. 2015-10-26

### *Limitation of usage:*

- Max water temperature: 40 °C.
- Max water flow: 20000 l/t.
- Type of sand: 0,4 – 0,8 mm.

**Your TopSpa XS is delivered with the filtration system containing FilterBalls as filtration media. Read the instructions!**

- Min. water temperatuer: 4 °C.
- Max  distance from pool/spa 10 meter.

**IMPORTANT! Always shut down the pump when changing positions on the 4-way valve!**

***1. Filtration***

Normal function.
The water circulates through the sand of the filter and returns clean.

***2. Backwash***
The water passes through the filtration media in the opposite direction and dirt and a small amount of sand runs out through the backwash pipe (see page 2). Run this mode when required, or when the pressure dial goes over 0,7 bars.
**Use a 20-25 liter bucket to drain the dirty water into, drain until filled.**
**See page 2.**

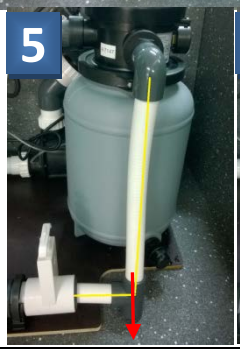
***3. Rinse***
This helps to avoid sand and dirt being carried back and it compacts the sand again after backwashing. The dirty overflow water is backwashed from the backwashing pipe.
***Run for about 5 seconds.***
Run after every backwash.

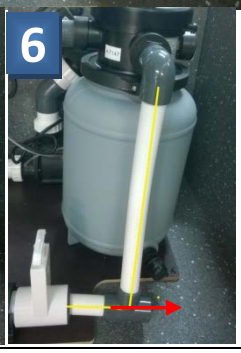
***4. Winter time*** If the sand filter is not in use during wintertime, remove the filter and bring it to a place where the ambient temperature is above freezing.

***Drainage***
For draining the water, a valve is installed in the vicinity of the circulating pump. See picture to the right (**V**). When the spa is to be emptied of water for a longer period, or if there is a risk of freezing, also empty the circulating pump and massage pumps (if included).

Open the hatch where filter and pump(s) are. Open the valve (**V**) and drain the water through the drain hole. This can can be done either on the bottom (**picture 5**) or in the back of the box (**picture 6**). This is also used when backwashing. The hole must be "closed" during cold weather to avoid freezing.

**Note!** On delivery, parts marked with the yellow line, are not secured with glue or silicone. This is done at location after the location of the drainage hole has been chosen.



**Filling of sand**

1. Remove the valve housing.
2. Fill up half way with water.
3. Place the sand shield on top of the tube.
4. Fill with sand (0.4-0.8 mm) to half.
5. Reinstall the valve housing.
6. Run Backwash few seconds and then Rinse.

**NOTE!** Always stop the pump when changing between different valve positions.

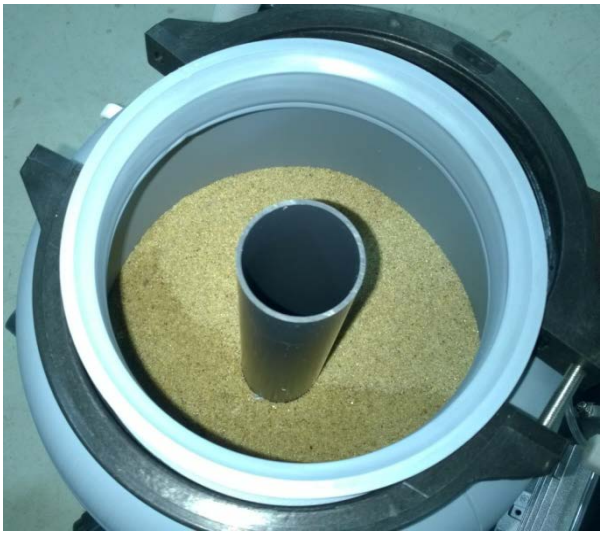
When the sand is changed, any old "loose sand" is to be rinsed off before water and new sand is added.

**When FilterBalls are used**

1. Fill up the filter balls to the level that is shown in the picture.
2. Install the valve body.
3. Follow the instructions on startup from paragraph 4

**Startup**

1. Place valve in position Backwash.
2. Start the pump and let it run for 3-5 seconds (remember to connect the Backwash hose!).
3. Set valve in position Rinse and run the pump ca. 3 seconds.
4. Place valve in normal mode (Filtration) and start the pump. **Note!** If the thermostat on the heater is set higher than the water temperature then it turns on when the water circulation is started. If there isn't adequate circulation (e.g. filter is not cleaned) the heater won't start.



## Suositeltava vedenpinta / Rekommenderad vattenivå / Recommended Water Level

**KORKEAMPI VEDENPINTA AIHEUTTAA HEIKOMMAN IMUN PINTAVEDELLE JA PÄINVASTOIN.**

**HÖGRE VATTENNIVÅ GER MINDRE SUG AV YTVATTNET OCH TVÄRTOM.**

**HIGHER WATER LEVEL RESULTS IN LESS SUCTION OF THE SURFACE WATER AND VICE VERSA.**